

Amendment Under 37 C.F.R. § 1.111  
USSN 10/626,697  
Attorney Docket Q76660  
August 3, 2004

## **AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

### **LISTING OF CLAIMS:**

1. (Currently Amended) VTOL Vertical Take-Off and Landing micro-aircraft comprising:
  - a first ducted rotor and a second ducted rotor mutually aligned and distanced according to a common axis and each including a propeller rotatable within a respective annular cowling,
  - a fuselage positioned along said common axis between said first and second rotors and bearing said propellers at its opposite ends of the fuselage,
  - first and second motorised means positioned at said ends of the fuselage to drive the propellers of said first and second rotor in mutually opposite directions of rotation,
  - a wing system positioned radially between said fuselage and baffle plates connected between the cowlings of said first and second rotors, and
  - control means.
2. (Original) Micro-aircraft as claimed in claim 1, wherein said wing system includes wing profiles forming a substantially X shaped configuration.
3. (Original) Micro-aircraft as claimed in claim 2, further comprising an additional wing profile (14) positioned within said X configuration.

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4. (Previously Presented) Micro-aircraft as claimed in claim 2, wherein said wing profiles are hollow.
5. (Original) Micro-aircraft as claimed in any of the claim 4, wherein said wing profiles interconnect said fuselage and said annular cowlings of said first and second rotor.
6. (Original) Micro-aircraft as claimed in claim 1, wherein said fuselage is designed to house means for powering said motorised means and a system for managing said motorised means and said control means with an inertial navigation system associated thereto.
7. (Previously Presented) Micro-aircraft as claimed in claim 2, wherein said control means include directional flaps applied to said wing profiles in proximity to said first ducted rotor and/or in proximity to said second ducted rotor.
8. (Canceled)
9. (Original) Micro-aircraft as claimed in claim 1, wherein said propellers have different profiles.
10. (Original) Micro-aircraft as claimed in claim 1, wherein said motorised means include for each ducted rotor at least an electric motor.
11. (Original) Micro-aircraft as claimed in claim 1, wherein said motorised means include for each ducted rotor at least a micro-combustor motor.
12. (Canceled)
13. (Canceled)

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14. (Original) Micro-aircraft as claimed in claim 1, wherein said wing system includes wing profile forming a substantially H shaped configuration.